Tender No. : CL/--/EQP/029/05/SPL/I/SMM **Due date: 27th March, 2006**

Features	
Must perform EI	**GC**
Using a 30m x 0.25mm x 0.25µm HP5MS or equivalent column, the instrument must have a scan sensitivity of at least _100s/n for 1 pg OFN scanning from 50-300 amu 125 s/n for 100 pg BZP scanning from 80-230 amu _300 s/n for 100 fg OFN scanning from 50-300 amu The scan must be at the same speed throughout the entire scan range.	**Pump**
Must have a mass range of greater than 1000amu	**Ionization**
Must have a __turbo molecular pump	**MS^n**
Must have an ion gauge to display vacuum	**EI scan sensitivity**
Must have a maximum scan rate of 10,000 amu/sec	**PCI scan sensitivity**
Must be able to heat the ion source up to 300C	**NCI scan sensitivity**
Must include dual filaments for EI operation	**Mass range (amu)**
Must have autotune programs for EI, PCI, and NCI	**Scan rate (amu/sec)**
Must be able to do SIM with _100 groups of _60 ions	**AutoSIM**
	Sync SIM/scan
Must include GC with split/splitless injector and electronic pneumatic control	**SIM groups / Ions**
Must have a GC oven size of at least 13.8 L	**Int / ext ion source**
Must be able to program 6 oven ramps and 7 plateaus	**Inert source**
Must acquire a SIM and scan signals synchronously, not at specific times	**Source temp**
A non-coated inert ion source	**Mass axis stability**
Mass axis stability of better than 0.1 amu/48 hours	**Max flow rate**
Step size of MS acquisition at 0.1 amu	**Inj / GC detectors**
Heat the quadrupole up to 200C	**Special features**